



PATENT APPLICATION
July 30, 2003



IN THE US PATENT AND TRADEMARK OFFICE

Express Mail Label No. : EU 838 068 738 US

Attorney Docket No: MP355

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith for filing is the ☒ utility patent application of:

Inventors: Mark L. Soderstrom, Bradley Donaldson, and
John R. Brinegar

For : DIRECTIONAL SOLIDIFICATION METHOD AND APPARATUS

Pursuant to 37 CFR 1.53, the above-identified application is being submitted without the filing fee, and it is respectfully requested that this application be granted a serial number and filing date and that the undersigned be notified of the date by which the filing fee must be submitted. Enclosed are:

- ☒ Specification (12 pages), Claims (3 pages), and Abstract (1 page)
- ☐ Declaration
- ☒ 8 Drawing Sheets
- ☐ Amendment before First Office Action
- ☐ Information Disclosure Statement
- ☐ Assignment
- ☒ Acknowledgement Postal Card For Stamping By Mail Room
- ☐ Priority and benefits are claimed under 35 USC 119 or 120 based on application Serial No. _____ filed _____.

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[x] Pursuant to 37 CFR 1.53, this application is being filed without the declaration or oath. Please notify the undersigned of the due date for submitting the declaration or oath. A Power of attorney in favor of the undersigned will be submitted later. Please direct all telephone calls to the undersigned at telephone number (269) 629-9136. Please address all correspondence to:

Mr. Edward J. Timmer
Walnut Woods Centre
5955 W. Main Street
Kalamazoo, MI 49009

The inventors are 1) Mark L. Soderstrom, 2) Bradley Donaldson, and
3) John R. Brinegar.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'E J Timmer', with a horizontal line extending to the right.

Edward J. Timmer Reg No. 27 402

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Date of Mailing : July 30, 2003

Title : DIRECTIONAL SOLIDIFICATION METHOD AND APPARATUS

Inventors : Mark L. Soderstrom et al.

Serial No. : Unknown

Filing Date : Unknown

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Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
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EXPRESS MAILING CERTIFICATE

Sir:

I hereby certify that this paper and the attached documents are being deposited with the United States Postal Service "Express Mail Post Office To Addressee" service under 37 CFR 1.10 on July 30, 2003, and are addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Edward J. Timmer

Date: July 30, 2003

Documents attached: Application Transmittal;
Application including Specification
(12 pages), Claims (3 page), Abstract
(1 page), Drawings (8 sheets), and Postal Card

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